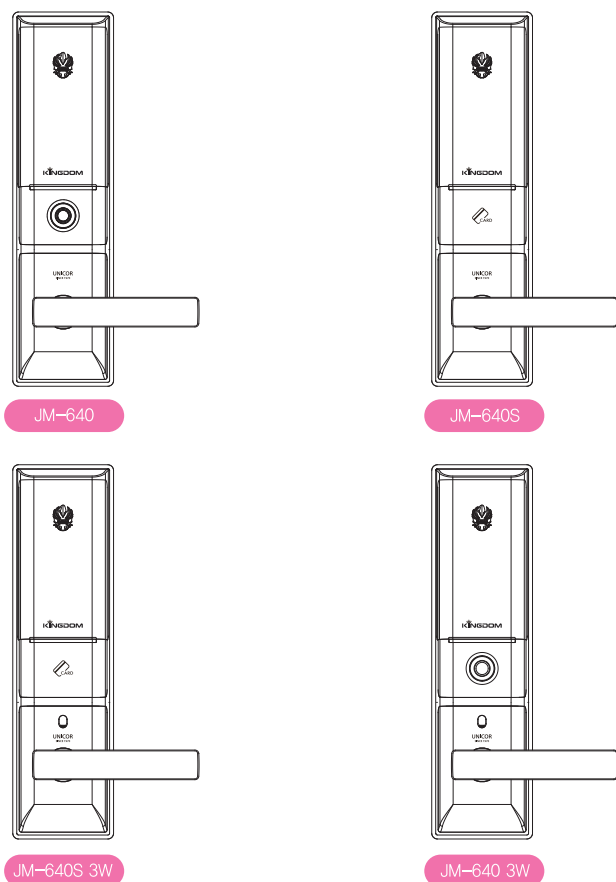


JM-640 Series user manual



UNICOR HIGHTECH CO., LTD
www.unicor.co.kr

- This manual may change without notice in case of product improvement.
- Product specifications are subject to change without prior notice.
- This manual may not be edited or changed without the manufacturer's prior permission

Caution

As this is a keyless digital door lock, damage may occur to parts of the dead lock system if it is not used according to the manual. Users should be fully aware of the manual and how to operate this product.

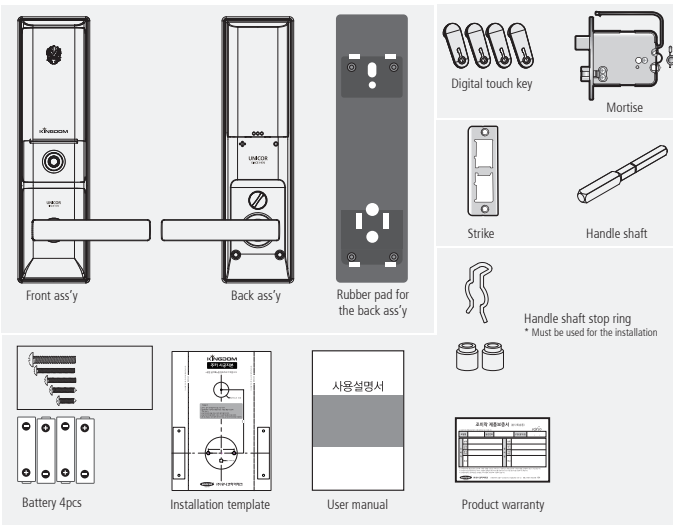
Safety precautions



The precautionary measures are for the safety of the user, for the prevention of property damage, and for the avoidance of any inconveniences due to an accident. These must be read and followed properly.

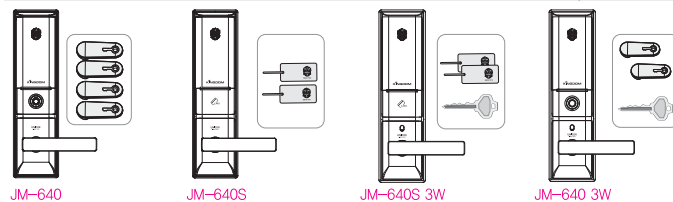
- Do not disassemble or alter the lock.
- Do not install where the distance over 5mm between the door and door frame.
- Please do not expose the secret code and change the secret code in regularly.
- Batteries should not be exposed directly to heat sources or flames, or submerged in water, because they may leak or explode, resulting in severe damage. Please do not use damaged batteries.
- Do not press using sharp tools or press numeric button excessively.
- Make sure the door is completely locked when going out.
- Place the batteries carefully and correctly according to their polarity (+/-). If the batteries are inserted in a wrong way, differently from the indicated direction or polarity, leakage or rupture could occur. Pay attention to it.
- Please do not mix old with new batteries or use different types. Always use new alkaline batteries.
- Do not clean the product with flammable materials such as alcohol, benzene or thinners. Such materials may damage the surface or cause a fire.
- Replace the current batteries with new ones within 1 week after the battery replacement notification melody sounded off for the first time.

Components



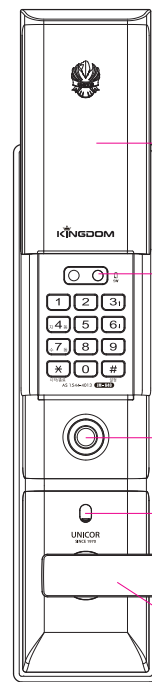
Components of each model

Model	Door opening type	Emergency key	
JM-640	2way / secret code and digital touch key can be used	X	Remote controller is a separate item
JM-640S	2way / secret code and smart tag (card) can be used	X	
JM-640S 3W	3way / secret code and smart tag (card) and a key can be used	0	
JM-640 3W	3way / secret code, digital touch key, and key can be used	0	

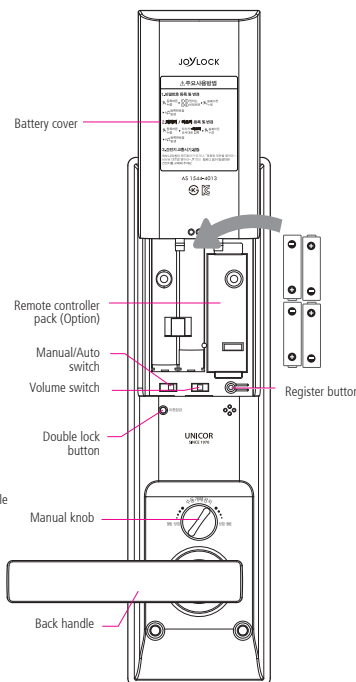


- The lifetime of the batteries is based on the result of the tests by the company and is not an absolute measurement. It will vary depending on the temperature and humidity of the installed locations as well as depending on the frequency of usage and the quality of batteries.
- The functions, design, and composition of the product may change without prior notification for the purpose of improving its quality.

Front ass'y

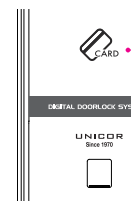


Back ass'y



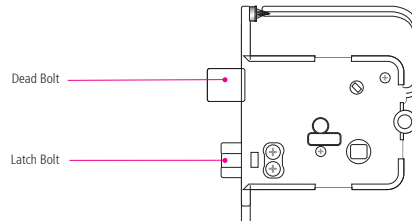
Anti-panic handle

The handle is a one-touch type product developed by the company. When it is installed successfully, the user just needs to swing it down to open the door safely and conveniently when moving from the inside area to the outside area.



※ In addition to 2pcs of smart tag key that are provided basically, 13.56Mhz ISO 14443A type RF tags, NFC cards and credit cards can be also registered as card keys.

Mortise



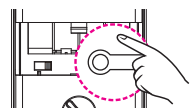
※ Upon shipment, the right-hand door mode is set to default, meaning that there is no need for going through the setting process when installing it for a right-hand door. If the door is a left-hand type, it is required to change the direction of the Latch Bolt of the mortise. Otherwise, the door will not be closed.

Registering and changing the secret code

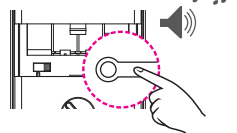


The door must be open while registering the secret code.

1. Open the battery cover of the back ass'y, and short press the [Register] button one time.
2. Push the keypad cover of the front ass'y up, and check that the keypad lamp is turned on.



3. Enter the secret code of 3-20 digits.
4. Press the [Register] button. Then, the registration will be completed while a sound is generated for checking the registration.



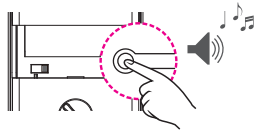
If no secret code is entered within 14 seconds after the [Register] button is pressed, the registration process will be cancelled. When a new secret code is registered (The above 1-4 steps), the previous one will be automatically deleted. If the registration mode is cancelled, the previous secret code will be maintained.

Registering the digital touch key

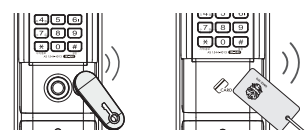


When it is needed to register digital touch keys, smart tags (cards) and remote controllers, or registering them again, it is required to register them all together at once.

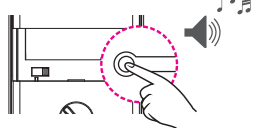
1. Open the battery cover of the back ass'y, and short press the [Register] button one time.



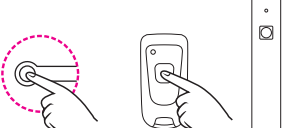
2. Bring the digital touch keys into contact at the touch plate in order (When each digital touch key is comes in contact at the touch plate, the registration will be completed while a sound is generated for checking the registration) ※ Bring the smart tag (card) into contact at the touch plate.



3. Press the [Register] button of the keypad after registering all digital touch keys or smart tags (cards).



4. Registering the remote controller (option): Short press the [Register] button of the back ass'y one time, and the press the [Open] button for registration.



When it is needed to register additional digital touch keys and smart tags (cards) (totally 50pcs of digital touch key can be registered), it is required to repeat the above process 2 before the keypad lamp is turned off.



If neither the digital touch key nor the smart tag (card) is contacted or if the [Open] button is not pressed, in case of the remote controller, for 14 seconds after the [Register] button is pressed, the registration process will be cancelled. When a new digital touch key, smart tag (card) or a new remote controller is registered (The above 1-4 steps), the previous one will be automatically deleted.

Deleting the digital touch key, smart tag (card), and remote controller

1. Open the battery cover of the back ass'y, and short press the [Register] button one time.



2. Push the front keypad cover up.

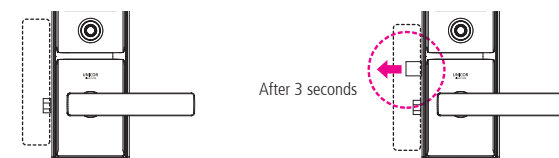


3. Press number 0 for 5 seconds. All the digital touch keys, card keys and remote controllers will be deleted while a sound will be generated for checking.

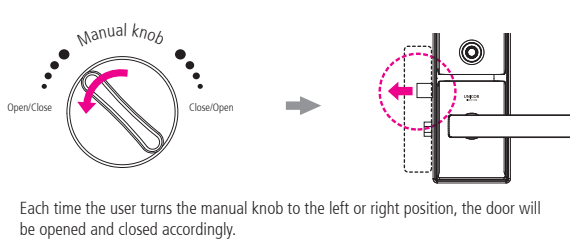


Locking the door from the inside

When the auto lock function is set.



When the auto lock function is set.

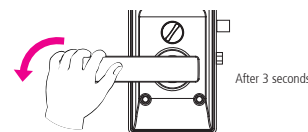


Opening the door from the inside



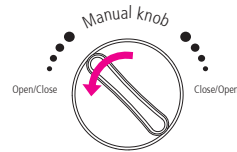
If the user does not open the door within 7 seconds after pulling the handle down, the door will be automatically locked.

Pulling the back handle down



Pull the handle of the back ass'y down slightly. Then, the anti-panic function will be activated, disabling the locked state and opening the door.

Opening the door by using the manual knob.



Turn the manual knob in the left or right direction. Then, the door will be opened.

Opening the door from the outside

Opening the door by using the secret code

1. Push the keypad cover up and enter the secret code.
2. When the user brings the keypad cover down, there will be a sound for checking. Then, the user needs to bring the handle down to open the door.



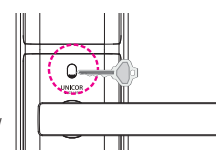
Opening the door by using the digital touch key, smart tag (card) or the remote controller



1. Bring the registered digital touch key or smart tag key into contact at the touch plate, or press the [Open] button in case of the remote controller.
2. When there is a sound for checking, the user just needs to bring the handle down to open the door.

Opening the door by using the emergency key

Insert the emergency key into the emergency key hole and turn it to open the door.



1

2

3

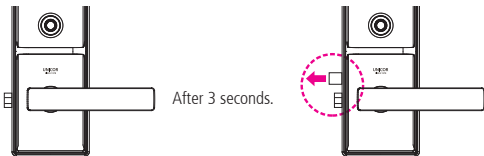
4

5

6

Locking the door from the outside

▶ When the auto lock function is set.



Close the door, and then the door will be automatically locked 3 seconds later.

▶ When the manual lock function is set.

Push the keypad cover up and down. Then, the door will be locked



Forced lock function

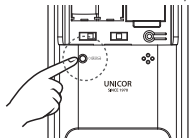
Internal double lock function

This makes it impossible to open the door by using the secret code, digital touch key, smart tag (card) or the remote controller from the outside.

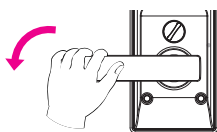
※ Even when the double lock function is set, it is still possible to open the door by using the emergency key that is prepared for an emergency situation.

▶ Setting

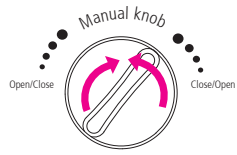
While the door is locked, press the double lock button of the back ass'y for 3 seconds. Then, a sound for checking will be generated, completing the setting.



For 3 seconds



Opening the door by using the handle.



Opening the door by using the manual knob.

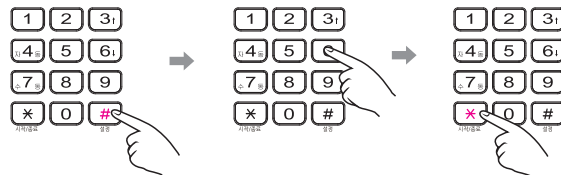
Releasin the double lock function from the outside

▶ Releasing

1. While the door is locked, push the keypad up and enter the registered secret code.



2. Press the [#] button and press the secret code and press the [*] button again.

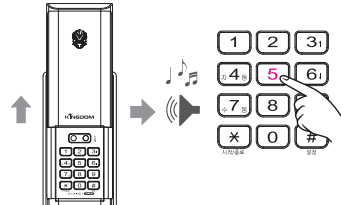


Setting and releasing the forced lock function from the outside

This function makes it possible for an emergency sound to be generated for the purpose of enhancing security when the door lock is handled from the inside when the user has to be absent from the premise for a period of time.

▶ Setting

1. Push the keypad cover up from the outside, and press the number [0] button for 5 seconds.



▶ Releasing

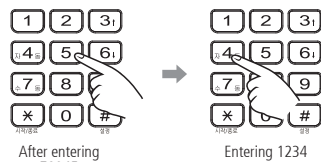
This function will be automatically disabled when the user opens the door and enters the premise normally by using the secret code, digital touch key or the smart tag (card).

Imaginary code system to prevent exposure secret code (Imaginary code function)

Even when another person is watching nearby, this function makes it possible for the user to enter an imaginary code before entering the real secret code.

▶ How to use the function

When the secret code is 1234, the user just needs to enter the real secret code 1234 at the end, after 78945 is entered.



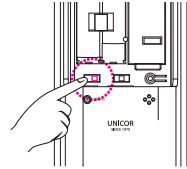
The total number of digits combining the imaginary code and the real secret code should be 3-20 digits.

Setting the auto/manual lock function

For locking the door automatically (or manually)

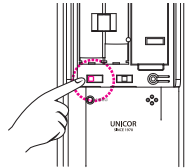
▶ Setting the auto lock function

Remove the battery cover, and shift the [Manu/Auto] switch to the auto mode (Upon shipment, the mode is set to default).

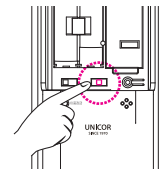


▶ Setting the manual lock function

Remove the battery cover, and shift the [Manu/Auto] switch to the manual mode.



Audio control function



This makes it possible for the user to adjust audio in stages. Remove the battery cover, and the shift the volume switch to 0, 1, or 2.

※ [0] for mute, [1] for low-pitched sound and [2] for high-pitched sound

▶ Mute function



Touch the keypad, and press the [#] button one time. Then, press the [*] button and enter the secret code. Then, press the [*] button again.

※ This is a temporary function, meaning that the operating sound will be generated again when the door lock is used again later.



High-temperature detection

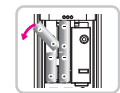


If the back ass'y is exposed to direct sunlight a long period of time, it could cause the temperature sensor to be activated and a warning sound to be generated accordingly. The door's locked state will be disabled even when the door is in the double-locked state from the inside.

▶ Releasing the high-temperature warning

The unsetting will take place when the power is reset after removing batteries.

※ The unsetting cannot take place if the temperature of the product is high.

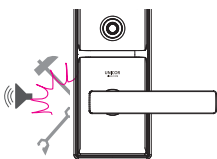


Batteries are removed.



The warning is disabled.

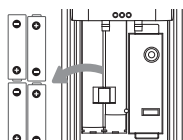
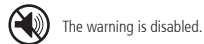
Trespass / Breakage alarm



While the door is closed, if an abnormal opening of the door (For example: Someone breaks into the premise by opening up the gap in the door) is detected, a warning sound of 80dB will be generated.

▶ How to release the warning sound

Enter the secret code normally or bring the digital touch key or smart tag (card) into contact normally. Then, the warning sound will be disabled.



The batteries are removed



The secret code is entered



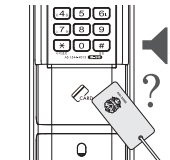
The digital touch key or smart tag (card) is brought into contact

Play-prevention warning and stopping of operation

When an unregistered secret code is entered 3 consecutive times or an unregistered digital touch key or smart tag (card) comes in contact 3 consecutive times, a warning sound will be generated and the system operation will be stopped for 30 seconds.

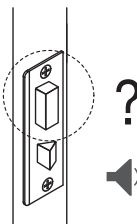


Entered 3 consecutive times?



Warning the jam of the deadbolt

While the door is opened or closed, if the dead bolt does not come out or is not retrieved normally because of the jam of the deadbolt, and a warning sound "Bibibibi" will be generated.



"Bibibibi"



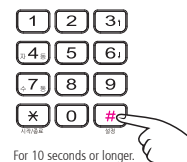
If the warning sound continues or the deadbolt does not work normally, it is required to adjust the position of the door lock, requiring the user to contact a shop that can handle the installation or an expert in the door locks

Resetting the system

This makes it possible to reset the system if the circuit unstable temporarily, such as condensation and temporary shut-down.

▶ Setting

Touch the keypad cover, and press the [#] button for 10 seconds or longer. Then, the power will be turned on again.



For 10 seconds or longer.

Battery replacement notification

What is the battery replacement notification function?

When the batteries need to be replaced, a melody will sound off when operating the product. The melody is for letting the user know about the need for replacing batteries

If the melody sounds off when operating the system, it is required to immediately open the battery cover of the back ass'y, and replace all the batteries (4pcs) with new genuine 1.5V LR6 AA alkaline batteries that can be purchased at the mart.

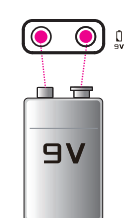


- Must use general batteries, not rechargeable ones.
- Take precautions in placing the batteries in the compartment in order to prevent leakage or rupture that could occur when they are placed wrongly.
- Must replace the old batteries all with new ones, not partially. Do not use new ones with discharged ones together.
- It is designed to operate with the rated voltage 6V. If low voltage (4.2±0.3V) is detected, a melody will sound off.
- After the replacement, if the door lock stops working in a short period of time or the batteries are discharged, the batteries could be defective. It is required to contact the shop where the user purchased batteries and get new ones as replacement ones.

Emergency power supply

What is the emergency power supply?

When the batteries of the door lock are completely discharged, making it impossible to open the door from the outside by using the secret code, digital touch key, or the card key, this function will help supply the emergency power by using a 9V battery from the outside.



How to use

- 1) Purchase a 9V battery in a rectangular shape from nearby stationary stores or convenience stores.
- 2) Bring the battery into contact at the 9V battery input terminal at the bottom of the front ass'y, and the press the [*] button while maintaining the contact. If the power is supplied normally, a sound "Bibi~" will be generated and the keypad will be turned on.
- 3) Enter the secret code and then press the [*] button, or bring the registered digital touch key or smart tag (card) into contact. Then, the door will be opened.



- It is OK to bring a 9V battery as an emergency power into contact regardless of the + and - polarities.
- When it comes to a key type model, it is possible to enter by using an emergency key even in this situation. That is why it is recommended to carry the emergency key usually or keep it in a safe place (in a car).
- The emergency power can be supplied when keeping the 9V battery into contact at the input terminal (not rechargeable)
- Replace all the discharged batteries right after supplying the emergency power.

Standard of the product

Classification	Specification	Remarks
Front ass'y (Front body)	74W X 295H X25D mm	74W X 295H X25D mm Rated voltage: DC 6V Working temperature: -20°C to 60°C
Back ass'y (Main body)	74W X 295H X30D mm	
Digital touch key	2pcs (2way tag model) / Possible to register up to 50pcs.	Sensor working temperature (High temperature): 60°C
Smart tag (card)	2pcs (2way tag model) / Possible to register up to 50pcs.	
Emergency key	2pcs	
Battery	1.5V AA LR6 alkaline battery x 4	Will run for about 10 months when used 10 times a day (6~8 months in case of card models)
Door Handing	LH / RH / LHR / RHR	

* The lifetime of the batteries is based on the result of the tests by the company and is not an absolute measurement. It will vary depending on the temperature and humidity of the installed locations as well as depending on the frequency of usage and the quality of batteries.

* The functions, design, and composition of the product may change without prior notification for the purpose of improving its quality.

Types of consumer damage	Content of compensation	
	Within the warranty period	After the warranty period
The product is used in normal conditions	Failure occurs within 1 month from date of purchase	Product replacement
	Failure occurs within 1 year from date of purchase	Free-of-charge repair
	Same failure occurs 4 times or more	Free-of-charge repair
	The repair parts are not available at the main office	Product replacement
Mistakes and mishandling by the user	Not the case of failure	Paid repair
	Mistakes and mishandling by the user	Paid repair
Defective installation, and other reasons		Paid repair

* Details of mistakes and mishandling by the user

Not the case of failure	Mistakes and mishandling by the user	Other reasons
●When needed to break the product due to the loss of secret code.	●A visit for repair is needed as there are mistakes and mishandling by the user such as mistakes in replacing batteries and unskillful use of the product.	●Failure and damage due to natural disasters such as fires, floods, and damage from sea water.
●When the door is sagging, or installation is defective, requiring the product to be reinstalled.	●Defective operation due to poorly inserted batteries and use of defective batteries.	●Penetration by water, condensation and injection of chemicals, requiring the internal circuits to be replaced, and causing failures.
●Request for checking the product for possible problems while there is no specific symptom of a failure.	●Failure and breaking due to the use of the product for other purposes.	
●Problems in operation occur after the user installs the product directly.	●Failure and breaking caused by the user on purpose or from an external impact.	

Warranty

- ◎ The warranty period for all of the company's products is 1 year from the date of purchase indicated on the warranty certificate.
- ◎ The details of all kinds of services by the company is based on the damage compensation criteria of the consumer protection act by the government
- ◎ Even during the warranty coverage, users need to pay (the cost for trip, technical support and parts) for some services if they are in the category of chargeable services.
- ◎ The warranty is applicable only in the local area.
- ◎ Users must submit the warranty certificate that contains the installation information when needed to request a service.
- ◎ If the warranty certificate is not available, users need to submit a receipt, a credit card receipt or a cash receipt instead (Except for a simple receipt)
- ◎ If it is impossible to show the purchase date, the warranty period will be applied by taking into consideration the product's manufactured date + expiration period (6 months)

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